| | Learning | | Brother's Adventure | | | | |
|--------------------|-----------|----------------------|--|--|--|--|--|
| 2000 Mathematics | | | | | | | |
| Academic Standards | | | | | | | |
| Indiana Mathemat | ics | | | | | | |
| Grade 6 | 01-1- | 0(| | | | | |
| Activity/Lesson | State | Standards | Calcat and anniversal standard units | | | | |
| | | | Select and apply appropriate standard units | | | | |
| Mainlet Dunth and | | | and tools to measure length, area, volume, | | | | |
| Wright Brothers: | INI | NAA C C 5 4 | weight, time, temperature, and the size of | | | | |
| 1900 Glider | IN | MA.6.6.5.1 | angles. | | | | |
| | | | Select and apply appropriate standard units | | | | |
| Mright Brothoro | | | and tools to measure length, area, volume, | | | | |
| Wright Brothers: | INI | MA C C E 1 | weight, time, temperature, and the size of | | | | |
| 1901 Glider | IN | MA.6.6.5.1 | angles. | | | | |
| | | | Select and apply appropriate standard units | | | | |
| Mriabt Drothoro | | | and tools to measure length, area, volume, | | | | |
| Wright Brothers: | INI | NAA C C 5 4 | weight, time, temperature, and the size of | | | | |
| 1902 Glider | IN | MA.6.6.5.1 | angles. | | | | |
| | | | Select and apply appropriate standard units | | | | |
| Muiaht Duathara | | | and tools to measure length, area, volume, | | | | |
| Wright Brothers: | INI | NAA C C 5 4 | weight, time, temperature, and the size of | | | | |
| 1903 Flyer | IN | MA.6.6.5.1 | angles. | | | | |
| | | | Select and apply appropriate standard units | | | | |
| | | | and tools to measure length, area, volume, | | | | |
| Now Data | INI | MA.6.6.5.1 | weight, time, temperature, and the size of | | | | |
| New Data | IN | IVIA.0.0.3. I | angles. | | | | |
| 1902: Success at | | | Convert between any two representations of | | | | |
| | IN | MA.6.6.1.4 | numbers (fractions, decimals, and percents) without the use of a calculator. | | | | |
| Last | IIN | IVIA.0.0.1.4 | Calculate given percentages of quantities | | | | |
| 1902: Success at | | | and solve problems involving discounts at | | | | |
| Last | IN | MA.6.6.2.8 | sales, interest earned, and tips. | | | | |
| Lasi | IIN | IVIA.0.0.2.0 | Select and apply appropriate standard units | | | | |
| | | | and tools to measure length, area, volume, | | | | |
| 1902: Success at | | | weight, time, temperature, and the size of | | | | |
| Last | IN | MA.6.6.5.1 | angles. | | | | |
| 1903: Powered | li V | IVIA.0.0.3.1 | Multiply and divide positive and negative | | | | |
| Flight | IN | MA.6.6.2.2 | integers. | | | | |
| ı ııgııt | 11.4 | IVI/1.0.0.Z.Z | Select and apply appropriate standard units | | | | |
| | | | and tools to measure length, area, volume, | | | | |
| 1903: Powered | | | weight, time, temperature, and the size of | | | | |
| Flight | IN | MA.6.6.5.1 | angles. | | | | |
| | | 1717 (| Select and apply appropriate methods for | | | | |
| 1903: Powered | | | estimating results of rational-number | | | | |
| Flight | IN | MA.6.6.7.7 | computations. | | | | |
| 9 | 11.4 | 171, 1.0.0.7.7 | Use graphing to estimate solutions and | | | | |
| 1903: Powered | | | check the estimates with analytic | | | | |
| Flight | IN | MA.6.6.7.8 | approaches. | | | | |
| 9 | 11.4 | 171, 1.0.0.7 .0 | app. such to see | | | | |
| | l earning | n to Fly: The Wright | Brother's Adventure | | | | |
| | Learning | 2000 Mathem | | | | | |
| | | Academic Sta | | | | | |

| Indiana Mathemati | cs | | | | |
|-------------------|-------------|-----------------|---|--|--|
| Grade 7 | | | | | |
| Activity/Lesson | State | Standards | | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| Wright Brothers: | | | capacities, times, and temperatures within | | |
| 1900 Glider | IN | MA.7.7.5.1 | measurement systems. | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| Wright Brothers: | | | capacities, times, and temperatures within | | |
| 1901 Glider | IN | MA.7.7.5.1 | measurement systems. | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| Wright Brothers: | | | capacities, times, and temperatures within | | |
| 1902 Glider | IN | MA.7.7.5.1 | measurement systems. | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| Wright Brothers: | | | capacities, times, and temperatures within | | |
| 1903 Flyer | IN | MA.7.7.5.1 | measurement systems. | | |
| | | | Read and create drawings made to scale, | | |
| 1901: The First | | | construct scale models, and solve problems | | |
| Improvement | IN | MA.7.7.5.3 | related to scale. | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| | | | capacities, times, and temperatures within | | |
| New Data | IN | MA.7.7.5.1 | measurement systems. | | |
| 1902: Success at | | | Calculate the percentage increase and | | |
| Last | IN | MA.7.7.2.2 | decrease of a quantity. | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| 1902: Success at | | | capacities, times, and temperatures within | | |
| Last | IN | MA.7.7.5.1 | measurement systems. | | |
| | | | Solve addition, subtraction, multiplication, | | |
| | | | and division problems that use integers, | | |
| 1903: Powered | | | fractions, decimals, and combinations of the | | |
| Flight | IN | MA.7.7.2.1 | four operations. | | |
| | | | Use estimation to decide whether answers | | |
| 1903: Powered | | | are reasonable in problems involving | | |
| Flight | IN | MA.7.7.2.4 | fractions and decimals. | | |
| | | | Identify functions as linear or nonlinear and | | |
| 1903: Powered | | | examine their characteristics in tables, | | |
| Flight | IN | MA.7.7.3.9 | graphs, and equations. | | |
| | | | Compare lengths, areas, volumes, weights, | | |
| 1903: Powered | | | capacities, times, and temperatures within | | |
| Flight | IN | MA.7.7.5.1 | measurement systems. | | |
| | | | | | |
| | | | Estimate and compute the area of more | | |
| 1903: Powered | | | complex or irregular two-dimensional shapes | | |
| Flight | IN | MA.7.7.5.5 | by dividing them into more basic shapes. | | |
| 1000 5 | | | Select and apply appropriate methods for | | |
| 1903: Powered | INI | 844 7770 | estimating results of rational-number | | |
| Flight | IN | MA.7.7.7.8 | computations. | | |
| 1000 F : | | | Use graphing to estimate solutions and | | |
| 1903: Powered | l.N. | AAA | check the estimates with analytic | | |
| Flight | IN | MA.7.7.7.9 | approaches. | | |
| | | . (. Fl. T. 34/ | Double A broadens | | |
| | Learning | | Brother's Adventure | | |
| 2000 Mathematics | | | | | |

| Academic Standards | | | | | |
|--------------------|-------|-----------------|---|--|--|
| Indiana Mathemati | cs | | | | |
| Grade 8 | | | | | |
| Activity/Lesson | State | Standards | | | |
| | | | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| Wright Brothers: | | | equivalent measurements within the same | | |
| 1900 Glider | IN | MA.8.8.5.1 | system. | | |
| | | | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| Wright Brothers: | | | equivalent measurements within the same | | |
| 1901 Glider | IN | MA.8.8.5.1 | system. | | |
| | | | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| Wright Brothers: | | | equivalent measurements within the same | | |
| 1902 Glider | IN | MA.8.8.5.1 | system. | | |
| | | | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| Wright Brothers: | | | equivalent measurements within the same | | |
| 1903 Flyer | IN | MA.8.8.5.1 | system. | | |
| | | | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| | | | equivalent measurements within the same | | |
| New Data | IN | MA.8.8.5.1 | system. | | |
| | | | Use mental arithmetic to compute with | | |
| 1902: Success at | | | common fractions, decimals, powers, and | | |
| Last | IN | MA.8.8.2.4 | percents. | | |
| | | | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| 1902: Success at | | | equivalent measurements within the same | | |
| Last | IN | MA.8.8.5.1 | system. | | |
| | | | Add subtract multiply and divide national | | |
| 1903: Powered | | | Add, subtract, multiply, and divide rational | | |
| | INI | MA 0 0 2 1 | numbers (integers, fractions, and terminating | | |
| Flight | IN | MA.8.8.2.1 | decimals) in multi-step problems. | | |
| | | | Demonstrate an understanding of the | | |
| 1903: Powered | | | relationships among tables, equations, | | |
| | IN | MA.8.8.3.8 | verbal expressions, and graphs of linear functions. | | |
| Flight | IIN | IVIA.0.0.3.0 | Convert common measurements for length, | | |
| | | | area, volume, weight, capacity, and time to | | |
| 1903: Powered | | | equivalent measurements within the same | | |
| Flight | IN | MA.8.8.5.1 | system. | | |
| ı ilgilit | IIN | IVIA.0.0.3.1 | Solve simple problems involving rates and | | |
| 1903: Powered | | | derived measurements for attributes such as | | |
| Flight | IN | MA.8.8.5.2 | velocity and density. | | |
| ı ngır. | 113 | 1717 (.0.0.0.2 | Select and apply appropriate methods for | | |
| 1903: Powered | | | estimating results of rational-number | | |
| Flight | IN | MA.8.8.7.8 | computations. | | |
| ı ııgııı | 113 | 1717 (.0.0.7 .0 | Use graphing to estimate solutions and | | |
| 1903: Powered | | | check the estimates with analytic | | |
| Flight | IN | MA.8.8.7.9 | approaches. | | |
| ngi it | III N | INIT.0.0.1.3 | αργιυαστισο. | | |

| | Learning | g to Fly: The Wright | Brother's Adventure |
|--------------------------|-------------|----------------------|--|
| | | 2000 Mathen | |
| | | Academic Sta | ndards |
| Indiana Mathemat | ics | | |
| Grades 9-12 (Algebra I) | | | |
| Activity/Lesson | State | Standards | |
| 1903: Powered | | MA.9- | Sketch a reasonable graph for a given |
| Flight | IN | 12.A1.3.1 | relationship. |
| 1903: Powered | | MA.9- | Use a graph to estimate the solution of a pair |
| Flight | IN | 12.A1.5.1 | of linear equations in two variables. |
| | | | |
| | | | Use a variety of problem solving strategies, |
| | | | such as drawing a diagram, making a chart, |
| 1903: Powered | | MA.9- | guess-and-check, solving a simpler problem, |
| Flight | IN | 12.A1.9.1 | writing an equation, and working backwards. |
| | | 4 El El 1871 L | |
| | Learning | | Brother's Adventure |
| | | 2000 Mathen | |
| | _ | Academic Sta | ndards |
| Indiana Mathematics | | | |
| Grades 9-12 (Algebra II) | | | |
| Activity/Lesson | State | Standards | |
| | | | Use a variety of problem-solving strategies, |
| | | | such as drawing a diagram, guess-and- |
| | | MA.9- | check, solving a simpler problem, writing an |
| 1900: Kitty Hawks | IN | 12.A2.10.1 | equation, and working backwards. |